

Message Text

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TAGS: TSPA JA OTRA (AMISHIMA, TSUYOSHI)

SUBJ: SPACE COOPERATION - VISIT OF AMISHIMA GROUP

REF: A. TOKYO 3879; B. TOKYO A-200; C. STATE 065211; D. STATE
227252, NOV 19, 1973.

SUMMARY: AMISHIMA GROUP WILL EXPLAIN RECENT DEVELOPMENTS IN
JAPANESE SPACE PROGRAM, INCLUDING JUST CONCLUDED DISCUSSIONS
WITH FRENCH SPACE AUTHORITIES, AND INFORMALLY SOUND OUT US
WILLINGNESS TO PROVIDE ASSISTANCE TO DEVELOPMENT OF JAPANESE
BOOSTER ROCKET WITH 500 KG SYNCHRONOUS ORBIT LAUNCH CAPABILITY
TO BE AVAILABLE AROUND 1984. END SUMMARY.

1. STA (YAMANO) AND NASDA (KURODA AND MATSUURA) HAVE PROVIDED
SCICOUNS WITH FURTHER BACKGROUND ON PROPOSED JAPANESE
PRESENTATION AT FORTHCOMING VISIT OF SPACE COMMISSIONER ASMISHIMA
AND STA/NASDA GROUP. PROPOSED JAPANESE AGENDA REMAINS ESSENT-
IALLY AS PROVIDED IN REF A, EXCEPT THAT ITEMS III AND IV ARE NOW
IDENTIFIED AS SUB-ITEMS TO ITEM II. THUS, PROPOSED AGENDA HAS
THREE BASIC TOPICS: I. STATUS REPOT, II. MATTERS ON WHICH US
ASSISTANCE DESIRED; AND III. JAPANESE PARTICIPATION IN POST
APOLLO.

REGARDING ITEM I, JAPANESE DEL WILL PROVIDE EXPLANATION OF
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AIDE-MEMOIRE (REF B) COVERING RECENT JAPANESE-FRENCH MEET-

ING, INCLUDING REASON WHY GOJ HAS RESERVED ITS RESPONSE TO FRENCH PROPOSALS.

2. BACKGROUND PROVIDED BY STA AND NASDA OFFICIALS RELATES LARGELY TO ITEM II, MATTERS ON WHICH US ASSISTANCE REQUESTED, AND SPECIFICALLY TO JAPAN'S BOOSTER ROCKET PROGRAM. TOPIC CAN BE BROKEN DOWN INTO TWO PARTS: 1) ASSISTANCE RELATED TO FIRST-PHASE "N" ROCKET IMPROVEMENT, NOW DESIGNATED N-1 ROCKET, DESIGNED TO ORBIT ABOUT 300 KG PAYLOAD BY 1979, AND 1) ASSISTANCE RELATED TO SECOND-PHASE IMPROVEMENT, DESIGNATED N-2 ROCKET, DESIGNED TO ORBIT 500 KG PAYLOAD BY ABOUT 1984. US POSITION ON ASSISTANCE TO N-1 (REF D), SPECIFIED 7 ITEMS ON WHICH US PREPARED TO PROVIDE ASSISTANCE, WITHIN GENERAL POLICY OF TRANSMITTING HARDWARE RATHER THAN TECHNOLOGY, EXCEPT WHERE ITEMS NO LONGER IN CURRENT US PRODUCTION. AS INDICATED IN CHARTS POUCHED TODAY TO GRANGER, SCI, JAPANESE HAVE IDENTIFIED 5 ADDITIONAL ITEMS WHICH THEY HOPE CAN BE MADE AVAILABLE FOR N-1 ROCKET. THESE ARE: EXTENDED LONG TANK; CASTOR IIX MOTOR (VICE CASTOR II MOTOR); ON-BOARD ELECTRONIC EQUIPMENT; VEHICLE INTEGRATION; AND ADDITIONAL SECOND-STAGE PROPULSION SYSTEM ITEMS, SUCH AS GIMBALING. IDENTIFICATION THESE ADDITIONAL ITEMS RESULTS PARTLY FROM MORE CAREFUL STUDY OF REQUIREMENTS, AND PARTLY FROM FACT THAT DESIRED PAYLOAD FOR N-1 ROCKET HAS INCREASED FROM 250 KG TO 300 KG AS RESULT OF INCREASED REQUIREMENTS OF POTENTIAL USERS.

3. ITEMS INCLUDED FOR N-2 ROCKET INCLUDE LIQUID HYDROGEN-OXYGEN PROPULSION SYSTEM AND DIGS (DIGITAL INERTIAL GUIDANCE SYSTEM). WE HAVE NO DOUBT THAT JAPANESE RECOGNIZE RESTRAINTS ON US POLICY AND WILL APPROACH THESE AS WELL AS ALL OTHER NEW ITEMS WITH CONSIDERABLE RESTRAINT. POSSIBILITY OF US ASSISTANCE IN THESE AREAS WILL BE SOUNDED OUT, BUT NOT DIRECTLY REQUESTED.

4. IN ADDITION, AS COULD BE ANTICIPATED, GROUP WILL SPEAK TO US POSITION THAT HARDWARE RATHER THAN TECHNOLOGY BE SUPPLIED, AND WILL UNDOUBTEDLY POINT TO CONTRADICTION BETWEEN THIS POLICY AND POLICY CONCERNING ORIGINAL "N" VEHICLE EXPRESSED IN PARA C OF ATTACHMENT TO 1969 SPACE AGREEMENT (WHICH, OF COURSE, WAS INTENDED TO APPLY ONLY TO SPECIFIC CASE OF "N" VEHICLE).
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THEY WILL ALSO QUESTION US RECOUPMENT POLICY PUT FORWARD IN REF D.

5. ON ITEM III, POST APOLLO PROGRAM, GROUP WILL REPORT RESULTS OF LENGTHY STUDY OF SAC SUBCOMMITTEE, HEADED BY AMISHIMA, SCHEDULED TO BE APPROVED TODAY. STUDY CONCLUDES THAT DUE TO HEAVY REQUIREMENTS OF OWN PROGRAM, AND FACT THAT EUROPEANS UNDERTAKING SPACE LAB, DIRECT JAPANESE PARTICIPATION IN MODULE

DEVELOPMENT IMPRACTICAL. HOWEVER, JAPAN DOES WISH TO PARTICIPATE IN EXPERIMENTAL PROGRAMS EMPLOYING SPACE SHUTTLE, INCLUDING DEVELOPMENT OF EXPERIMENTAL EQUIPMENT. AREAS OF POSSIBLE JAPANESE INTEREST INCLUDES ASTRONOMY AND SPACE SCIENCES, GEOPHYSICS AND GEOLOGY, MEDICINE AND BIOLOGY, RADIO AND COMMUNICATIONS, AND MANUFACTURING AND PROCESSING IN SPACE. JAPAN IS INTERESTED IN STUDYING THE FORMATION OF ASSOCIATION WITH ESRO FOR THE COOPERATIVE UTILIZATION OF SPACE LAB.

6. SCICOUNS HAS ENCOURAGED JAPANESE TO HAVE AVAILABLE ON VISIT MAXIMUM POSSIBLE INFORMATION ON POTENTIAL FOR UDMH PRODUCTION IN JAPAN, INCLUDING WHEN, HOW MUCH, AND AT WHAT COST PRODUCTION MIGHT BE AVAILABLE. JAPANESE NOW CONDUCTING STUDY OF ALTERNATIVES OF CONTINUED PURCHASE OF UDMH IN US OR PRODUCTION IN JAPAN. MOST RECENT INFORMATION, WHICH EMERGES VERY SLOWLY, IS THAT JAPANESE UDMH FACILITY, WHICH, AS PREVIOUSLY REPORTED, WAS OPERATED ONLY BRIEFLY, HAD CAPACITY OF ABOUT 10 TONS PER MONTH, BUT HAS BEEN CANNIBALIZED. PLANT APPARENTLY EMPLOYED DIFFERENT PROCESS FROM THAT OF FMC, THUS AVOIDING ENVIRONMENTAL HAZARE. HOWEVER, IF PRODUCTION IS REINITIATED, WHICH WOULD REQUIRE MINIMUM OF SIX MONTHS AND PROBABLY MORE, PROCESS MIGHT BE CHANGED TO FMC PROCESS, BUT WITH CLOSED SYSTEM.

7. EMBASSY COMMENT: GOJ CLEARLY VIEWS FORTHCOMING DISCUSSIONS AS IMPORTANT ELEMENT IN DEFINITION OF JAPAN'S FUTURE SPACE PROGRAM AND COOPERATIVE RELATIONSHIP WITH US. EMBASSY APPRECIATES NEED FOR RESTRAINTS ON US READINESS TO PROVIDE SPACE ASSISTANCE TO JAPAN AND OTHERS, AND AGREES THAT MEASURED COOPERATION, GENERALLY ALONG LINES NOW BEING FOLLOWED, WHILE GIVING APPROPRIATE WEITHT TO FACTORS SUCH AS AVAILABILITY OF ASSISTANCE FROM OTHER SOURCES, BEST SERVES US INTERESTS. WE BELIEVE, HOWEVER, THAT CLOSE US PARTNERSHIP WITH JAPAN IN SCIENTIFIC AND OTHER AREAS CALLS FOR CANDID DIALOGUE BETWEEN LIMITED OFFICIAL USE

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US, WITH JAPAN INFORMING US OF FUTURE PLANS, INCLUDING AVAILABILITY OF OTHER SOURCES OF ASSISTANCE, AND US IDENTIFYING PROBABLE LIMITS ON ITS ABILITY TO PROVIDE ASISTANCE. IN AREAS WHERE DEFINITE US POSITION MAY REQUIRE SOME TIME TO FORMULATE AND MAY IN FINAL ANALYSIS NOT FAVOR COOPERATION, WE BELIEVE JAPANESE SHOULD BE FRANKLY INFORMED OF THIS SO THAT THEY CAN REACH DECISIONS ON THEIR OWN PROGRAM AND COOPERATION WITH THIRD PARTIES ON MOST INTELLIGENT POSSIBLE BASIS. WHILE SUCH APPROACH MAY RESULT IN SOME DISAPPOINTMENTS TO JAPANESE, WE BELIEVE THAT IN LONG RUN IT WILL LEAD TO MORE HARMONIOUS RELATIONS THAT SITUATION IN WHICH JAPANES BASE DECISIONS ON SPECULATION AS TO US ATTITUDE. SHOESMITH

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